

NOTES FROM SHELBURNE, NEW HAMPSHIRE.

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I have spent portions of many seasons in Shelburne, New Hampshire, a town of some three hundred inhabitants, lying on both sides of the Androscoggin River. The valley is about 210 meters above sea level and the flora is characteristic of northern New Hampshire, but a record of a few plants found there may prove of interest. The two pines of the region are *Pinus Strobus* L. and *Pinus resinosa* Ait., the former of wider distribution. In the summer of 1881 I discovered a fine specimen of *Pinus rigida* Mill. on a wooded slope about 35 or 40 meters above the intervale on the farm of Mr. A. E. Philbrook. Under date of February 8, 1909, Mr. Philbrook writes: "The Pitch Pine you found in 1881 is sixty feet tall and thirteen inches in diameter, is in good condition and has cones. Two small ones have come up near by that are about twenty feet high and three or four inches in diameter." Dr. A. S. Pease and Mr. A. H. Moore, who have been working very systematically for a number of years on the flora of Coos County, which includes the town of Shelburne, have been unable thus far to detect any more Pitch Pine in their limits. It was, therefore, with added interest that I was shown in October, 1908, two additional trees in Shelburne. On October 18, Professor Ephraim Emerton, who has a summer home adjoining the Philbrook Farm, showed me on the plateau near his house a vigorous Pitch Pine about 5 meters high and fully 1.5 decimeters through 12 decimeters above the ground. It was growing naturally in a grove of White and Red Pines and it may have been a seedling from the one previously mentioned from which it is about 4 hectometers distant, or perhaps from the third specimen which is on a wooded slope about midway between the two.

This last tree was shown me on October 25 by Mr. Philbrook on whose farm it grows, but a few minutes' walk from the tree of 1881. This pine is about 18 meters high, 5 decimeters through at the butt, and 4 decimeters through some 12 or 15 decimeters above the ground. It is a fine straight specimen full of cones, but leafy only near the top owing to its close proximity to the surrounding trees. No seedlings were discovered.

Another interesting find for Coos County is *Juniperus communis*

L., var. *depressa* Pursh. On April 23, 1908, Mr. Philbrook discovered a specimen of this shrub in a patch of open woods adjoining his farm about 20 meters above the intervale. The plant was about 3 meters in diameter and was full of fruit. Mr. Philbrook sent me a specimen at the time, and later I visited the place and secured additional material. On October 13, but a few minutes' walk from this Juniper and in the same open wood, a second specimen was discovered by a party of us who were out for a tramp. It was a little smaller than the first one but bore fruit. These two Junipers and three Pitch Pines constitute at present the only known records for Coos County though, considering the known range of the two species and the fact that there are plenty of situations congenial to them, it seems hardly possible that additional ones should not be found.

On May 29, 1903, I discovered *Camelina microcarpa* Andr. in a grassy field in Shelburne, and on July 14, 1908, I found by the railroad station the same species, together with *Erysimum cheiranthoides* L. and *Sisymbrium altissimum* L., all in close proximity and in flourishing condition. These introductions are now quite widely spread over New England.

Pentstemon laevigatus Ait. appeared in Shelburne in June, 1908. It was discovered by Miss Louise Davenport in the intervale of the Philbrook Farm, growing among the short grass, some 300 meters from the house. There were at least eight plants covering an extent of about one fifth of a hectare, each specimen about 30 meters from its nearest neighbors. The plants were all in good flower though the soil, owing to the extreme drought, was very dry. I visited the place on July 3 and examined the location. I have in my herbarium specimens of all these herbaceous species.

CAMBRIDGE, MASSACHUSETTS.